Name(s) of Risk Team Members: R. Karol, A. Etkin, A. Warkentien, P. Cirnigliaro, J. Benante, L. Snydstrup			Point Value → Parameter ↓	1				2 3		4			5		
Area/Facility Description Title: Collider-Accelerator Department  Area/Facility # (if applicable): Facility-Wide FRA 4-06  Area/Facility Description: Facility-Wide ODH  Approved by: E. Lessard Date: 1/15/06 Rev.#: 0			Occupancy or Use (A)	<pre></pre>				≤once/month	≤once/week	≤once/shift			>once/shift  Death or Permanent Disability		
			Severity (B)					Medical Treatment	Lost Time	Partial Disability					
			Likelihood (C)				y	Unlikely Possible		Probable		Multiple			
Reason for Revision (i	f applicable): Annual re	eview							Comments:						
						h Con	trols ir	1				Risk with A			
Physical Item or Activity	Hazard(s)	Control(s)				Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk				Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Cryogenic fluids and systems	Oxygen deficiency  ODH analyses, ODH controls, ODH system testing and calibration program, ASSRC reviews, ESRC reviews, training, postings, interlocked emergency exhaust fans, PPE, remote/local audible/visible alarms, emergency response, EMTs, work planning, procedures, POMs, medical clearance, escape pack, MSDS, LOTO, postings, Cryo-system designs to consensus codes, inspections, relief valve testing				5	2	50	See note below							
Gasses	Oxygen deficiency, toxic/flammable gas  ODH analyses, ODH controls, training, ASSRC reviews, ESRC reviews, toxic/flammable gas interlocked emergency exhaust fans, remote/local audible/visible alarms, emergency response, EMTs, work planning, POMs, medical clearance, escape pack, MSDS, LOTO, postings, designs to consensus codes, flammable gas alarms, cylinder storage controls, cylinder labels, gas volume limits, inspections, cylinder hydrostatic testing				5	2	50	See note below							
Fire extinguishing agents	Oxygen deficiency	Posting, emergency response, EMTs, LOT use of Halon and Inergen		ss, 3	5	2	30								
Confined spaces	Oxygen deficiency, toxic/flammable gas	Training, atmospheric testing before entry procedures, Permits, work planning, LOTO ventilation, personnel rescue equipment, erresponse, EMTs	O, respirators, forced	2	5	2	20								
Further Description of	Controls Added to Red	uce Risk: ASSRC has reviewed the con	trols for ODH safety dur	ing wor	king o	on ope	n RHI	C magnets with nitrog	gen purging. See ATS #283	38.					
*Risk:	0 to 20	21 to 40		41-60	0			61	to 80		81 or	greate	er		
	Negligible	Acceptable		Moderate				Su	Substantial			Intolerable			